

**ORIGINAL** NEW APPLICATION



0000135990

RECEIVED



CenturyLINK™

2012 APR 23 P 4:10

April 20, 2012

AZ CORP COMMISSION  
DOCKET CONTROL

Docket Control  
Arizona Corporation Commission  
1200 W. Washington Street  
Phoenix, Arizona 85007

T-01051B-12-0149

Dear Sir or Madam:

This filing is being made on behalf of Qwest Corporation d/b/a CenturyLink QC ("QC"), Entity Code T-01051B.

Enclosed for filing with the Commission is an original plus thirteen (13) copies of revisions to QC's Competitive Private Line Transport Services Price Cap Tariff.

These revisions add a Protection Option to QWave and change the name to Optical Wavelength Service (OWS). Once the Protected Element becomes effective, potential customers will be contacted by their sales team.

QC respectfully requests that these proposed changes become effective May 23, 2012.

Acknowledgment and date of receipt of this transmittal are requested. A duplicate letter and self-addressed, stamped envelope are attached for this purpose. If you have any questions regarding this filing, please contact me directly.

Sincerely,

Mark Brinton  
Manager Regulatory Operations  
Office: (303) 992-5832  
Fax: (303) 295 6973  
e-mail: Mark.Brinton@CenturyLink.com

Enclosures

Arizona Corporation Commission  
**DOCKETED**  
APR 23 2012

DOCKETED BY

Issued: 4-20-12

Effective: 5-23-12

1. APPLICATION AND REFERENCE

1.2 TABLE OF CONTENTS (Cont'd)

	PAGE
SECTION 5. SERVICES	
5.1 GENERAL .....	1
5.1.1 SERVICE TYPES .....	1
5.1.2 RATE CATEGORIES .....	4
5.1.3 SERVICE CONFIGURATIONS .....	6
5.1.4 RATE STABILIZED AND DISCOUNT PRICING .....	9
5.2 SERVICE DESCRIPTIONS .....	18
5.2.1 LOW-SPEED DATA SERVICE .....	18
5.2.2 VOICE GRADE SERVICE .....	22
5.2.4 LOCAL AREA DATA SERVICE (LADS) .....	31
5.2.5 AUDIO SERVICE.....	33
5.2.6 FOREIGN EXCHANGE SERVICE.....	36
5.2.7 FOREIGN CENTRAL OFFICE SERVICE.....	39
5.2.8 EXCHANGE SERVICE EXTENSIONS (NON-PBX) .....	41
5.2.9 TELEPHONE ANSWERING SERVICE .....	42
5.2.10 DIGITAL DATA SERVICE .....	45
5.2.12 SIMULTANEOUS VOICE DATA SERVICE .....	50
5.2.13 US WEST DS1 SERVICE .....	57
5.2.14 US WEST DS3 SERVICE .....	79
5.2.15 SELF-HEALING NETWORK SERVICE (SHNS) .....	93
5.2.18 GEOMAX SERVICE .....	107
5.2.19 OPTICAL WAVELENGTH SERVICE (OWS).....	115
5.4 CUSTOM SERVICE ARRANGEMENTS .....	122
5.5 LARGE USER DISCOUNT - ANALOG DATA SERVICES .....	123

(T)

Issued: 4-20-12

Effective: 5-23-12

1. APPLICATION AND REFERENCE

1.2 TABLE OF CONTENTS (Cont'd)

	PAGE
SECTION 105. OBSOLETE SERVICES	
105.1 GENERAL .....	1
105.2 SERVICE DESCRIPTIONS .....	2
105.2.2 SERIES 5000 CHANNELS .....	2
105.2.3 DATAPHONE SELECT-A-STATION (DSAS) .....	18
105.2.9 TELEPHONE ANSWERING SERVICE .....	24
105.2.10 DATAPHONE DIGITAL SERVICE .....	26
105.2.13 U S WEST DS1 SERVICE .....	28
105.2.14 VOICE GRADE SERVICE .....	30

SECTION 6. RATES AND CHARGES

6.2 SERVICE OFFERINGS .....	1
6.2.1 LOW-SPEED DATA SERVICE .....	1
6.2.2 VOICE GRADE SERVICE .....	3
6.2.4 LOCAL AREA DATA SERVICE (LADS) .....	11
6.2.5 AUDIO SERVICE .....	12
6.2.6 FOREIGN EXCHANGE SERVICE .....	16
6.2.7 FOREIGN CENTRAL OFFICE SERVICE .....	17
6.2.8 EXCHANGE SERVICE EXTENSIONS (NON-PBX) .....	18
6.2.9 TELEPHONE ANSWERING SERVICE .....	19
6.2.10 DIGITAL DATA SERVICE .....	21
6.2.12 SIMULTANEOUS VOICE DATA SERVICE .....	24
6.2.13 U S WEST DS1 SERVICE .....	30
6.2.14 U S WEST DS3 SERVICE .....	107
6.2.15 SELF-HEALING NETWORK SERVICE (SHNS) .....	140
6.2.18 GEOMAX SERVICE .....	107
6.2.19 OPTICAL WAVELENGTH SERVICE (OWS) .....	153

(T)

Issued: 4-20-12

Effective: 5-23-12

1. APPLICATION AND REFERENCE

1.3 SUBJECT INDEX (Cont'd)

SUBJECT	SECTION	
Maintaining Facilities .....	4	
Maintenance of Service .....	4	
Mileage Measurement .....	3	
Minimum Billing Period and Fractional Rates .....	3	
Minimum Periods		
DS1 and DS3 Switched Transport.....	7	
Private Line Transport Service.....	2	
Minimum Period Charges .....	21	
Moves .....	3	
Multiplexing .....	7	
Multipoint Service.....	5	
Natural Disaster Relief For Customers .....	2	
Nonbillable Administrative Changes .....	3	
Nonrecurring Charges .....	3	
Notification of Service-Affecting Activities .....	2	
Obligations of the Company (DS1 and DS3 Switched Transport).....	7	
Obligations of the Customer .....	2	
Obsolete Services .....	105	
Optical Wavelength Service (OWS) .....	5	(T)
Rates and Charges .....	6	(T)
Optional Features and Functions .....	5	
Order Modifications and Miscellaneous Charges .....	4	
Ordering Options for Access Service.....	7	
Ordering, Payment and Compliance With Regulations .....	2	
Ordering, Rating and Billing of Private Line Transport Service		
Where More Than One Exchange Telephone Company is Involved .....	2	
Ownership of Facilities .....	2	

Issued: 4-20-12

Effective: 5-23-12

1. APPLICATION AND REFERENCE

1.3 SUBJECT INDEX (Cont'd)

SUBJECT	SECTION	
Payment Arrangements and Credit Allowances .....	2	
Private Line Pricing Points.....	9	
Promotions .....	10	
Protection Service for High Voltage Environments .....	4	
Provision and Description of Switched Access Service.....	7	
Provision and Ownership of Telephone Numbers .....	2	
Provision of Private Line Transport Billing Information-Carriers .....	4	
Provision of Services .....	2	
QWave Service (See Optical Wavelength Service)		(T) (D)
Rate Categories.....	5	
Rate Stabilized and Discount Pricing.....	5	
Rate Terms and Conditions		
DS1 and DS3 Switched Transport.....	7	
Expanded Interconnection (EI) Service.....	21	
Private Line Transport Service.....	3	
Rates and Charges		
DS1 and DS3 Switched Transport.....	7	
Expanded Interconnection (EI) Service.....	21	
Private Line Transport Service.....	6	
Reestablishment of Service Following Fire, Flood or Other Occurrence ..	3	
Reference to Other Publications.....	1	
Reference to Other Tariffs or Catalogs .....	1	
Reference to Technical Publications .....	1	
References to the Company .....	2	
Refusal and Discontinuance of Service .....	2	
Repair of Facilities .....	4	
Returned Payment Charge.....	2	
Rollover.....	3	

Issued: 4-20-12

Effective: 5-23-12

## 1. APPLICATION AND REFERENCE

### 1.6 EXPLANATION OF ABBREVIATIONS (Cont'd)

MST	- Manual Scheduled Testing
MTS	- Message Telecommunications Service
N.	- North
NA	- Not Applicable
No.	- Number
NRC	- Nonrecurring Charge
NST	- Nonscheduled Testing
NTS	- Non-Traffic Sensitive
OTPL	- Zero Transmission Level Point
OWS	- Optical Wavelength Service
PBX	- Private Branch Exchange
PCM	- Pulse Code Modulation
PI	- Priority Installation
PIU	- Percent Interstate Use
PL	- Private Line
PLAR	- Private Line Automatic Ringdown
P.O.	- Post Office
POT	- Point of Termination
PR	- Priority Restoration
rms	- root-mean-square
S.	- South
SRL	- Singing Return Loss
SWC	- Serving Wire Center
TAS	- Telephone Answering Service
TIM	- Tariff Information Management
TLP	- Transmission Level Point
TSP	- Telecommunications Service Priority
TST	- Tandem Switched Transport
U.S.	- United States
USAC	- Universal Special Assembly Code
USASCII	- U.S. American Standard Code For Information Interexchange
USOC	- Uniform Service Order Code
V	- Vertical
VG	- Voice Grade
V & H	- Vertical & Horizontal
W.	- West

(N)

Issued: 4-20-12

Effective: 5-23-12

**1. APPLICATION AND REFERENCE**

**1.9 REFERENCE TO TECHNICAL PUBLICATIONS**

C. (Cont'd)

TITLE	PUBLICATION NUMBER
U S WEST DS3 Service	77324
Simultaneous Voice and Data Service (SVDS), (Digital Data Over Voice Technology) Digital Access Arrangements, Network Interface Specifications	77331
Qwest Corporation Self Healing Network Service	77332
Qwest Corporation Self Healing Alternate Route Protection	77340
Qwest Corporation Diversity and Avoidance	77344
Command A Link Technical Descriptions and Interface Combinations	77371
1.544 Mbit/s Channel Interfaces Technical Specifications for Network Channel Interface Codes Describing Electrical Interfaces at Customer Premises and at Qwest Corporation Central Offices	77375
Expanded Interconnection and Collocation for Private Line Transport and Switched Access Service	77386
GeoMax	77407
Optical Wavelength Service (formerly QWave)	77412

(T)

Issued: 4-20-12

Effective: 5-23-12

#### 4. ORDER MODIFICATIONS AND MISCELLANEOUS CHARGES

##### 4.1 GENERAL

##### 4.1.3 CANCELLATION OF APPLICATION FOR SERVICE (Cont'd)

- F. When a customer cancels an order for the discontinuance of service, no charges apply for the cancellation.
- G. If the Company misses a service date due to circumstances over which it has direct control (excluding, e.g., acts of God, governmental requirements, work stoppages and civil commotions), the customer may cancel an order without incurring cancellation charges.
- H. A request for cancellation after completion of an installation will be treated as a termination of service.
- I. GeoMax and Optical Wavelength Service (OWS) will be assessed Cancellation Charges based on all unrecoverable costs incurred by the Company in association with the service order, from the Application Date (APP) to the date the order is cancelled. In addition when the cancellation takes place on or after the Design Layout Report Date (DLRD), the Cancellation Charges will include the sum of the twelve month minimum service period for rate elements billed on the customer's respective Fixed Period Service Rate Plan.

(T)



Issued: 4-20-12

Effective: 5-23-12

## 5. SERVICES

SUBJECT	PAGE	
Audio Service.....	33	
Custom Service Arrangements .....	122	
Digital Data Service .....	45	
Exchange Service Extensions (Non-PBX) .....	41	
Foreign Central Office Service.....	39	
Foreign Exchange Service.....	36	
General .....	1	
GeoMax Service.....	107	
Large User Discount - Analog Data Services.....	123	
Local Area Data Service (LADS).....	31	
Low-Speed Data Service .....	18	
Optical Wavelength Service (formerly QWave) .....	115	(T)
Rate Categories.....	4	
Channel Performance .....	4	
Network Access Channel .....	4	
Optional Features and Functions .....	5	
Transport Mileage .....	5	
Rate Stabilized and Discount Pricing.....	10	
Self-Healing Network Service (SHNS).....	93	
Service Configurations .....	6	
Multipoint Service.....	7	
Two-Point Service.....	6	
Service Descriptions.....	18	
Service Types .....	1	
Service Rearrangement Charge .....	71	
Simultaneous Voice Data Service .....	50	
Telephone Answering Service.....	42	
US WEST DS1 Service .....	57	
US WEST DS3 Service .....	79	
Voice Grade Service.....	22	

Issued: 4-20-12

Effective: 5-23-12

## 5. SERVICES

### 5.1 GENERAL

#### 5.1.1 SERVICE TYPES (Cont'd)

##### Digital Data Service

A channel for the digital transmission of synchronous serial data at rates of 2.4, 4.8, 9.6, 19.2, 56 and 64 kbps. Subrated DS0 is also available.

##### Simultaneous Voice Data Service (SVDS)

A data channel derived from a voice service that allows for the simultaneous transmission of voice and digital data signals over a shared exchange access line or network access channel facility.

##### U S WEST DS1

A channel for point to point two-way transmission at a speed of 1.544 Mbps per second.

##### U S WEST DS3

A channel for point to point, two-way high speed digital transmission at speeds of 45 Mbps.

##### Self-Healing Network Service (SHNS)

A service designed to provide high capacity digital services, connecting multiple customer locations and a Company wire center, which automatically detects a failure anywhere within its network, and reconfigures itself around the point of failure, to insure a near continuous flow of information within the survivable network.

##### GeoMax Service

A service that provides a high speed, multi-protocol, dedicated fiber optic connection between customer locations, with a total transport capacity of either 80 Gbps for a protected system or 160 Gbps for an unprotected system.

##### Optical Wavelength Service (OWS)

Optical Wavelength Service (OWS) is a circuit-based service, utilizing shared Dense Wave Division Multiplexing (DWDM) technology to provide dedicated, point-to-point bandwidth on a common Qwest infrastructure.

(T)  
|  
(T)

Issued: 4-20-12

Effective: 5-23-12

## 5. SERVICES

### 5.2 SERVICE DESCRIPTIONS (Cont'd)

#### 5.2.19 OPTICAL WAVELENGTH SERVICE (OWS)

(T)

##### A. Basic Service Description

Optical Wavelength Service (OWS) is a circuit-based service, utilizing shared Dense Wave Division Multiplexing (DWDM) technology to provide dedicated, point-to-point bandwidth on a common Qwest infrastructure. This service is available on two different circuit configurations from the customer premises to a Company wire center(s). The two circuit configurations that apply to OWS are:

(T)

- Configuration 1: Single protected fiber circuit terminating at the customer's premises on a Fiber Distribution Panel. This design includes both a working circuit and an alternate circuit, that are protection switched for the customer and handed off as a single protected fiber circuit.
- Configuration 2: Single unprotected fiber circuit terminating at the customer's premises on a Fiber Distribution Panel.
- Configuration 3: Dual unprotected fiber circuit terminating at the customer's premises on a Fiber Distribution Panel. This design includes both a working circuit and an alternate circuit.

(N)

(N)

(T)

(T)

##### B. Technical Specifications

OWS (formerly QWave) technical parameters are delineated in Qwest Corporation Technical Publication PUB 77412.

(T)

##### C. Rate Elements

The basic rate elements that apply to OWS are:

(T)

- Optical Channel
- Central Office Optical Termination
- Transport Channel

Issued: 4-20-12

Effective: 5-23-12

## 5. SERVICES

### 5.2 SERVICE DESCRIPTIONS

#### 5.2.18 OPTICAL WAVELENGTH SERVICE (OWS) (Cont'd)

(T)

##### D. Availability

1. OWS contemplates the use of existing facilities. There may be occasions when OWS is not available due to facilities limitations, or when it may be necessary to construct facilities. Where suitable facilities are unavailable for provisioning service, special construction of the facilities may be necessary and will be charged for as specified in 4.1.6, preceding. (T)  
(T)
2. OWS may connect to the following Company provided services: SST, GeoMax, SHNS and MOE. In order to connect to an OWS Circuit these services must be located in the same Company wire center. (T)  
(T)

##### E. Rate Categories

The basic rate categories that apply to OWS are:

(T)

1. The Optical Channel is a two or four fiber handoff that provides a fiber facility between customer premises and the wire center of that premises. Included as part of the Optical Channel is an interface which defines the technical characteristics associated with the facility.
2. The Central Office Optical Termination is an interface located in the Company central office (wire center) that allows OWS to connect to the following Company services: SST, GeoMax, SHNS and MOE. (T)
3. Transport Channel is a mileage rate category that provides for the transmission of facilities between two Company wire centers. Mileage will only apply if more than one Company wire center makes up the OWS circuit. The mileage application will be determined by the air line miles between each of the wire centers and calculated on a V and H basis. (T)

Issued: 4-20-12

Effective: 5-23-12

## 5. SERVICES

### 5.2 SERVICE DESCRIPTIONS

#### 5.2.18 OPTICAL WAVELENGTH SERVICE (OWS)

(T)

##### E. Rate Categories (Cont'd)

Optical Channel and Central Office Optical Termination Categories are available in the following interfaces/bandwidths:

- 10 Gbit LAN Channel,
  - Protected (N)
  - Unprotected
  - Unprotected Dual
- 10 Gbit WAN Channel,
  - Protected (N)
  - Unprotected
  - Unprotected Dual
- Gbit Ethernet Channel,
  - Protected (N)
  - Unprotected
  - Unprotected Dual
- Fast Ethernet Channel,
  - Protected (N)
  - Unprotected
  - Unprotected Dual
- OC3 Channel,
  - Protected (N)
  - Unprotected
  - Unprotected Dual

(M)

(M) Material moved to Page 117.1.

Issued: 4-20-12

Effective: 5-23-12

## 5. SERVICES

### 5.2 SERVICE DESCRIPTIONS

#### 5.2.18 OPTICAL WAVELENGTH SERVICE (OWS)

(T)

##### E. Rate Categories (Cont'd)

Optical Channel and Central Office Optical Termination Categories are available in the following interfaces/bandwidths:

- OC12 Channel,
  - Protected
  - Unprotected
  - Unprotected Dual

(M)  
(N)  
(M)

- OC48 Channel,
  - Protected
  - Unprotected
  - Unprotected Dual

(M)  
(N)  
(M)

- OC192 Channel,
  - Protected
  - Unprotected
  - Unprotected Dual

(M)  
(N)  
(M)  
(M)

(M) Material moved from Page 117.

Issued: 4-20-12

Effective: 5-23-12

## 5. SERVICES

### 5.2 SERVICE DESCRIPTIONS

#### 5.2.18 OPTICAL WAVELENGTH SERVICE (OWS)

(T)

##### E. Rate Categories

Optical Channel and Central Office Optical Termination Categories are available in the following interfaces/bandwidths: (Cont'd)

- OC768 Channel,
  - Protected
  - Unprotected
  - Unprotected Dual

(N)

- 1.062 Gbit FICON,
  - Protected
  - Unprotected
  - Unprotected Dual

(N)

- 2.125 Gbit FICON,
  - Protected
  - Unprotected
  - Unprotected Dual

(N)

- 1.062 Gbit Fibre Channel,
  - Protected
  - Unprotected
  - Unprotected Dual

(N)

- 2.125 Gbit Fibre Channel,
  - Protected
  - Unprotected
  - Unprotected Dual

(N)

(M)

(M) Material moved to Page 118.1.

Issued: 4-20-12

Effective: 5-23-12

## 5. SERVICES

### 5.2 SERVICE DESCRIPTIONS

#### 5.2.18 OPTICAL WAVELENGTH SERVICE (OWS) (T)

##### E. Rate Categories

Optical Channel and Central Office Optical Termination Categories are available in the following interfaces/bandwidths: (Cont'd)

- 4 Gbit Fibre Channel, (M)
  - Protected (N)
  - Unprotected (M)
  - Unprotected Dual
- 10 Gbit Fibre Channel, (M)
  - Protected (N)
  - Unprotected (M)
  - Unprotected Dual (M)
- 10.709 Gbps OTU2 Channel, (N)
  - Protected
  - Unprotected
  - Unprotected Dual (N)

(M) Material moved from Page 118.



Issued: 4-20-12

Effective: 5-23-12

## 5. SERVICES

### 5.2 SERVICE DESCRIPTIONS

#### 5.2.18 OPTICAL WAVELENGTH SERVICE (OWS) (Cont'd)

(T)

##### F. Obligations of the Customer

1. The customer shall provide immediate access to Company equipment by authorized Company personnel 24 hours a day, 7 days a week for restoration of service, response to equipment failure, or maintenance of service.
2. All operations at the customer premises will be performed at the expense of the customer and must conform to rules and regulations adopted by the Company to maintain a proper standard of service. Included in the aforementioned expenses would be structural work required for supporting telecommunications facilities.
3. The customer is required to provide adequate building space, lighting and atmospheric control (humidity, temperature and ventilation) for proper installation, operation and maintenance of Company equipment and facilities on the customer premises.

##### G. Installation Guarantee

The Company guarantees 100% on-time provisioning of all new QWave circuits based on the agreed date between the customer and the Company. If the agreed-on due date is missed, the Company will credit the customer 50% of the nonrecurring rate(s) on all affected ports.

##### H. Service Guarantee

Credit allowance will apply when the customer experiences a service interruption as follows:

- The customer will receive service credit on the billing cycle following the service interruption and completion of the Company's verification process.
- A service credit will not be given when network failure(s) and/or outage(s) is associated with Company equipment and does not result in customer downtime or performance degradation.
- For Protected OWS, an out of service credit will apply when the customer experiences a service interruption and the system fails to switch to the protected electronics and/or facilities within one second. Such credit will be based on information provided by the network surveillance system associated with the OWS. Out of service credit will be based on the total of all monthly rate element charges associated with that portion of the service that is inoperative. In the event of a service interruption, one month's billing credit will be given. Only one credit will be given for an interruption or series of interruptions within a month.

(N)

(N)

Issued: 4-20-12

Effective: 5-23-12

## 5. SERVICES

### 5.2 SERVICE DESCRIPTIONS

#### 5.2.18 OPTICAL WAVELENGTH SERVICE (OWS)

(T)

##### H. Service Guarantee (Cont'd)

##### 1. Customer Notification

The Company must notify the customer of a service outage or a service degradation within 20 minutes. The notification will be based on the alarms received by the Company's Network Operations Center (NOC). When failure to notify the customer within 20 minutes results in downtime, the customer will receive credit for one day of the monthly rate for all impacted portion of the circuit.

##### 2. Mean Time to Repair (MTTR)

This is the time it takes the Company to restore service. The time starts either when the Company detects the problem or when the customer reports the problem to the Company. Service will be restored within 8 hours on fiber and 4 hours on the equipment.

##### 2. Availability

This is the amount of time service is available to support customer traffic. The Company will coordinate maintenance time and planned outages with the customer, these events will be scheduled outside the availability time. The network is considered unavailable when the service is not ready to support customer traffic or anytime an out of service occurs. Availability is calculated based on the customer's billing cycle. If guaranteed availability is not met, the service credits will apply, per affected circuit, based on the monthly rate elements effected by the outage, as follows:

- Unprotected

If availability is less than 99.90% Credit = 50% Monthly Charges

- Unprotected Dual

If availability is less than 99.95% Credit = 50% Monthly Charges

- Protected

If availability is less than 99.99% Credit = 50% Monthly Charges

(N)  
|  
(N)